=> d bro 12

:1-9

1. 5,898,215, Apr. 27, 1999, Microelectronic assembly with connection to a buried electrical element, and method for forming same; Dennis Brian Miller, et al., **257/679**; 235/380; 257/774; 343/700R; 361/737 [IMAGE AVAILABLE]

2. 5,889,941, Mar. 30, 1999, System and apparatus for **smart card** personalization; David R. Tushie, et al., 713/200; 235/380; **257/679** [IMAGE AVAILABLE]

3. 5,880,523, Mar. 9, 1999, Anti-tamper integrated circuit; Brant Candelore, **257/679**, 691, 724, 922; 365/228, 229 [IMAGE AVAILABLE]

4. 5,786,988, Jul. 28, 1998, Integrated circuit chips made bendable by forming indentations in their back surfaces flexible packages thereof and methods of manufacture; Eliyahou Harari, 361/749; 235/487, 492; 257/618, 620, 622, **679**, 730; 361/684, 736, 737, 783, 807 [IMAGE AVAILABLE]

5. 5,721,451, Feb. 24, 1998, Integrated circuit assembly adhesive and method thereof; John R. Settles, et al., **257/679**, 777, 778, 782, 783 [IMAGE AVAILABLE]

6. 5,719,437, Feb. 17, 1998, Smart cards having thin die; Mark Bradford Clifton, et al., **257/679**, 669, 672, 728, 782 [IMAGE AVAILABLE]

7. 5,640,306, Jun. 17, 1997, Contactless **smart card** the electronic circuit of which comprises a module; Michel Gaumet, et al., 361/737; 174/52.1; **257/679**; 361/728, 764, 803 [IMAGE AVAILABLE]

8. 5,480,842, Jan. 2, 1996, Method for fabricating thin, strong, and flexible die for smart cards; Mark B. Clifton, et al., 438/464; **257/679**; 438/691, 977 [IMAGE AVAILABLE]

9. 5,311,396, May 10, 1994, **Smart card** chip-based electronic circuit; Francis Steffen, 361/736; 29/840; 174/262; **257/679**, 724;

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     (FILE 'USPAT' ENTERED AT 16:00:31 ON 21 JUL 1999)
L1          160 S 257/679/CCLS
L2            9 S L1 AND (SMART CARD)/TI,AB
L3          295 S (SMART CARD#)/TI,AB
L4           33 S 257/922/CCLS
L5            2 S L3 AND L4

=> d bro 15

:1-2


1.  5,880,523, Mar. 9, 1999, Anti-tamper integrated circuit; Brant
Candelore, 257/679, 691, 724, 922; 365/228, 229 [IMAGE AVAILABLE]

2.  5,644,638, Jul. 1, 1997, Process for protecting components of smart
or chip cards from fraudulent use; Fabien P. Thiriet, 380/25; 235/379,
380; 257/679, 922; 380/4, 23, 24; 902/25, 26, 29 [IMAGE AVAILABLE]
:end


=> s 902/26/ccls

L6          111 902/26/CCLS

=> s 13 and 16

L7           14 L3 AND L6

=> d his


     (FILE 'USPAT' ENTERED AT 16:00:31 ON 21 JUL 1999)
L1          160 S 257/679/CCLS
L2            9 S L1 AND (SMART CARD)/TI,AB
L3          295 S (SMART CARD#)/TI,AB
L4           33 S 257/922/CCLS
L5            2 S L3 AND L4
L6          111 S 902/26/CCLS
L7           14 S L3 AND L6

=> d 15 1-2


1.  5,880,523, Mar. 9, 1999, Anti-tamper integrated circuit; Brant
Candelore, 257/679, 691, 724, 922; 365/228, 229 [IMAGE AVAILABLE]

2.  5,644,638, Jul. 1, 1997, Process for protecting components of smart
or chip cards from fraudulent use; Fabien P. Thiriet, 380/25; 235/379,
380; 257/679, 922; 380/4, 23, 24; 902/25, 26, 29 [IMAGE AVAILABLE]

=> d 17 1-14


1.  5,852,290, Dec. 22, 1998, Smart-card based access control
system with improved security; John William Chaney, 235/492, 380; 902/2,
26 [IMAGE AVAILABLE]

2.  5,847,374, Dec. 8, 1998, Smart card having a plurality of
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data fields with reference zones and validation bits; Martial Menconi, 235/492, 380; **902/26** [IMAGE AVAILABLE]

3. 5,844,218, Dec. 1, 1998, Method and system for using an application programmable **smart card** for financial transactions in multiple countries; Joseph C. Kawan, et al., 235/380, 379; 902/8, 25, **26** [IMAGE AVAILABLE]

4. 5,767,504, Jun. 16, 1998, **Smart card** with plurality of zones for verification and validation; Martial Menconi, 235/492, 380; **902/26** [IMAGE AVAILABLE]

5. 5,729,004, Mar. 17, 1998, Data communication device and method of a **smart card**; Jong-Chul Kim, et al., 235/492, 375, 382; **902/26** [IMAGE AVAILABLE]

6. 5,715,431, Feb. 3, 1998, Tamper proof security measure in data writing to non-volatile memory; David B. Everett, et al., 235/492; **902/26** [IMAGE AVAILABLE]

7. 5,644,638, Jul. 1, 1997, Process for protecting components of smart or chip cards from fraudulent use; Fabien P. Thiriet, 380/25; 235/379, 380; 257/679, 922; 380/4, 23, 24; 902/25, **26**, 29 [IMAGE AVAILABLE]

8. 5,594,227, Jan. 14, 1997, System and method for protecting unauthorized access to data contents; Vinay Deo, 235/380; 902/4, **26** [IMAGE AVAILABLE]

9. 5,532,689, Jul. 2, 1996, Method of transmitting data quickly and securely from a **smart card** during a remote transaction; Serge Bueno, 340/928; 235/384; 380/23; **902/26** [IMAGE AVAILABLE]

10. 5,495,098, Feb. 27, 1996, **Smart card** updating process; Jean-Claude Pailles, et al., 235/492, 380; 902/4, **26** [IMAGE AVAILABLE]

11. 5,120,939, Jun. 9, 1992, Databaseless security system; David M. Claus, et al., 235/382, 380, 382.5, 487, 492; **902/26** [IMAGE AVAILABLE]

12. 5,036,461, Jul. 30, 1991, Two-way authentication system between user's **smart card** and issuer-specific plug-in application modules in multi-issued transaction device; John C. Elliott, et al., 705/44; 235/380; 340/825.34; 380/24; 705/41; **902/26** [IMAGE AVAILABLE]

13. 4,968,873, Nov. 6, 1990, **Smart card** issuing and receiving apparatus; Juergen Dethloff, et al., 235/380, 375, 379, 487, 492; 902/11, **26** [IMAGE AVAILABLE]

14. 4,849,615, Jul. 18, 1989, Apparatus for processing **"smart"** **cards**; Jean P. Mollet, 235/380, 441, 492; **902/26** [IMAGE

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       (FILE 'USPAT' ENTERED AT 16:00:31 ON 21 JUL 1999)
L1          160 S 257/679/CCLS
L2            9 S L1 AND (SMART CARD)/TI,AB
L3          295 S (SMART CARD#)/TI,AB
L4           33 S 257/922/CCLS
L5            2 S L3 AND L4
L6          111 S 902/26/CCLS
L7           14 S L3 AND L6
L8         6406 S 380/?/CCLS
L9           75 S L3 AND L8
L10           1 S (L2 OR L5 OR L7) AND JAVA
L11         139 S 235/?/CCLS AND L3
L12           1 S L11 AND JAVA
L13           1 S (SMART CARD#)/TI,AB AND JAVA

=> d bro 19

:1-75


1.  5,924,084, Jul. 13, 1999, Method for tracing payment data in an
anonymous payment system; Peter Jacobus Nicolaas De Rooij, 705/39;
235/380; 340/825.34; 380/23, 24, 25, 29; 705/40 [IMAGE
AVAILABLE]

2.  5,923,759, Jul. 13, 1999, System for securely exchanging data with
smart cards; Philip S. Lee, 380/25; 235/380; 340/825.31;
380/23; 705/17 [IMAGE AVAILABLE]

3.  5,910,989, Jun. 8, 1999, Method for the generation of electronic
signatures, in particular for smart cards; David Naccache,
380/25, 23, 29, 30, 49 [IMAGE AVAILABLE]

4.  5,907,620, May 25, 1999, Method and apparatus for enforcing the use
of cryptography in an international cryptography framework; Keith Klemba,
et al., 380/25, 9, 23, 49, 59 [IMAGE AVAILABLE]

5.  5,887,065, Mar. 23, 1999, System and method for user authentication
having clock synchronization; Yves Audebert, 380/23; 235/382;
380/25, 48, 49 [IMAGE AVAILABLE]

6.  5,857,020, Jan. 5, 1999, Timed availability of secured content
provisioned on a storage medium; Mendel Lazear Peterson, Jr., 380/4,
20, 21, 25 [IMAGE AVAILABLE]

7.  5,825,882, Oct. 20, 1998, Encryption and authentication method and
circuit for synchronous smart card; Jacek Kowalski, et al.,
380/25; 235/380; 380/9, 23, 28, 49, 50 [IMAGE
AVAILABLE]

8.  5,825,876, Oct. 20, 1998, Time based availability to content of a
storage medium; Mendel Lazear Peterson, Jr., 380/4, 23, 25,
30, 49, 50 [IMAGE AVAILABLE]

9.  5,809,140, Sep. 15, 1998, Session key distribution using smart
cards; Aviel D. Rubin, et al., 380/21, 25, 44, 49
[IMAGE AVAILABLE]

10.  5,796,832, Aug. 18, 1998, Wireless transaction and information
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system; Joseph C. Kawan, **380/24, 25** [IMAGE AVAILABLE]

11. 5,778,072, Jul. 7, 1998, System and method to transparently integrate private key operations from a **smart card** with host-based encryption services; Vipin Samar, **380/30, 21, 25** [IMAGE AVAILABLE]

12. 5,761,306, Jun. 2, 1998, Key replacement in a public key cryptosystem; Tony Lewis, **380/21, 23, 30, 49** [IMAGE AVAILABLE]

13. 5,757,918, May 26, 1998, Method and apparatus for user and security device authentication; W. Dale Hopkins, **380/25**; 235/379, 380; **380/4, 23, 24, 30, 49** [IMAGE AVAILABLE]

14. 5,757,909, May 26, 1998, Illegal view and copy protection method in digital video system and controlling method thereof; Tae Joon Park, **380/5, 6, 16** [IMAGE AVAILABLE]

15. 5,753,898, May 19, 1998, Method for being capable of carrying out, with the same data carrier, various authentication processes, as well as system; Andries Pieter Hekstra, 235/380, 382; 340/825.34; **380/23** [IMAGE AVAILABLE]

16. 5,748,737, May 5, 1998, Multimedia electronic wallet with generic card; Robert N. Daggar, **380/24**; 235/379, 380; **380/23, 25, 49, 50**; 705/39, 41 [IMAGE AVAILABLE]

17. 5,748,732, May 5, 1998, Pay TV method and device which comprise master and slave decoders; Jacques Le Berre, et al., **380/10**; 348/5.5; **380/20, 21** [IMAGE AVAILABLE]

18. 5,745,571, Apr. 28, 1998, Cryptographic communications method and system; Edward Andrew Zuk, **380/21**; 235/380; **380/4, 9, 23, 25, 30, 48, 49** [IMAGE AVAILABLE]

19. 5,742,756, Apr. 21, 1998, System and method of using **smart cards** to perform security-critical operations requiring user authorization; Blair B. Dillaway, et al., 713/200; **380/25, 32, 46** [IMAGE AVAILABLE]

20. 5,742,680, Apr. 21, 1998, Set top box for receiving and decryption and descrambling a plurality of satellite television signals; Jerrell Wilson, **380/16, 20, 47** [IMAGE AVAILABLE]

21. 5,740,250, Apr. 14, 1998, Tame automorphism public key system; Tzuong-Tsieng Moh, **380/28, 30** [IMAGE AVAILABLE]

22. 5,737,423, Apr. 7, 1998, Old modified **smart card** or similar apparatus having a remote inspection capability; Flavio M. Manduley, **380/25, 49** [IMAGE AVAILABLE]

23. 5,721,781, Feb. 24, 1998, Authentication system and method for **smart card** transactions; Vinay Deo, et al., **380/25, 23** [IMAGE AVAILABLE]

24. 5,719,918, Feb. 17, 1998, Short message transaction handling system; Bekir Serbetciouglu, et al., 455/466; 379/93.12; **380/25, 49**; 713/200 [IMAGE AVAILABLE]

25. 5,699,429, Dec. 16, 1997, Packet TV program component detector; Gregory George Tamer, et al., **380/20, 5, 49** [IMAGE AVAILABLE]

26. 5,682,031, Oct. 28, 1997, **Smart card** and **smart card** locking process therefor; Francois Geronimi, 235/492; **380/3, 4**

27. 5,675,654, Oct. 7, 1997, System and method for interfacing a transport decoder to a national renewable security systems (NRSS) **smart card**; Robert T. Ryan, **380/48, 3, 9, 20**
[IMAGE AVAILABLE]

28. 5,654,891, Aug. 5, 1997, Method and apparatus for controlling and/or limiting speed excess by drivers; David Naccache, et al., 701/119; 340/904, 936, 943; 364/528.39; **380/23**; 701/93 [IMAGE AVAILABLE]

29. 5,644,638, Jul. 1, 1997, Process for protecting components of smart or chip cards from fraudulent use; Fabien P. Thiriet, **380/25**; 235/379, 380; 257/679, 922; **380/4, 23, 24**; 902/25, 26, 29
[IMAGE AVAILABLE]

30. 5,621,793, Apr. 15, 1997, TV set top box using GPS; Robert A. Bednarek, et al., **380/20, 10, 21** [IMAGE AVAILABLE]

31. 5,613,001, Mar. 18, 1997, Digital signature verification technology for smart credit card and internet applications; Ezzat G. Bakhoum, **380/4, 23, 25, 48** [IMAGE AVAILABLE]

32. 5,604,801, Feb. 18, 1997, Public key data communications system under control of a portable security device; George M. Dolan, et al., **380/21, 49** [IMAGE AVAILABLE]

33. 5,602,918, Feb. 11, 1997, Application level security system and method; James F. Chen, et al., **380/21, 23, 25, 49** [IMAGE AVAILABLE]

34. 5,602,915, Feb. 11, 1997, Process for the control of secret keys between two **smart cards**; Mireille Campana, et al., **380/21**; 235/380; **380/23, 25, 28, 30, 44, 46, 49**
[IMAGE AVAILABLE]

35. 5,590,199, Dec. 31, 1996, Electronic information network user authentication and authorization system; Marjan Krajewski, Jr., et al., **380/25, 4, 21** [IMAGE AVAILABLE]

36. 5,583,933, Dec. 10, 1996, Method and apparatus for the secure communication of data; Andrew R. Mark, 379/355; 235/380; 379/93.28, 257, 354, 361, 418, 444; **380/9** [IMAGE AVAILABLE]

37. 5,563,948, Oct. 8, 1996, Process for authentication of **smart cards**, and device for use of the process; Eric Diehl, et al., **380/16, 20** [IMAGE AVAILABLE]

38. 5,552,897, Sep. 3, 1996, Secure communication apparatus and method; Richard Mandelbaum, et al., 358/400; 340/825.31, 825.34; 358/434; **380/18, 21, 23**; 399/1 [IMAGE AVAILABLE]

39. 5,537,473, Jul. 16, 1996, Video recorder system; Ian Saward, **380/16**; 348/3, 4, 5.5; **380/10, 20** [IMAGE AVAILABLE]

40. 5,534,857, Jul. 9, 1996, Method and system for secure, decentralized personalization of **smart cards**; Simon G. Laing, et al., 340/825.34; 235/380; 340/825.3; **380/21, 23** [IMAGE AVAILABLE]

41. 5,533,126, Jul. 2, 1996, Key protection device for **smart cards**; Michel Hazard, **380/25, 21, 23, 46, 49**
[IMAGE AVAILABLE]

42. 5,532,689, Jul. 2, 1996, Method of transmitting data quickly and securely from a **smart card** during a remote transaction; Serge

Bueño, 340/928; 235/384; **380/23**; 902/26 [IMAGE AVAILABLE]

43. 5,521,979, May 28, 1996, Packet video signal inverse transport system; Michael S. Deiss, **380/20**; 348/423, 465, 716; 370/389; **380/6, 16** [IMAGE AVAILABLE]

44. 5,504,817, Apr. 2, 1996, Method and apparatus for memory efficient variants of public key encryption and identification schemes for **smart card** applications; Adi Shamir, **380/30**; 235/380; **380/28**; 708/491 [IMAGE AVAILABLE]

45. 5,502,764, Mar. 26, 1996, Method, identification device and verification device for identificaiton and/or performing digital signature; David Naccache, **380/23, 25, 28, 30** [IMAGE AVAILABLE]

46. 5,485,520, Jan. 16, 1996, Automatic real-time highway toll collection from moving vehicles; David Chaum, et al., **380/24**; 235/379, 380, 384; 340/825.31, 825.34; 342/42, 44, 50, 51; **380/23** [IMAGE AVAILABLE]

47. 5,471,045, Nov. 28, 1995, **Smart card** locking process; Francois Geronimi, 235/492; **380/4** [IMAGE AVAILABLE]

48. 5,461,675, Oct. 24, 1995, Apparatus and method for access control; Eric Diehl, et al., **380/23**; 235/380; **380/6, 16** [IMAGE AVAILABLE]

49. 5,461,674, Oct. 24, 1995, Method and apparatus for controlling playback of recorded HDTV signals; Richard W. Citta, **380/10, 5, 20** [IMAGE AVAILABLE]

50. 5,461,217, Oct. 24, 1995, Secure money transfer techniques using **smart cards**; David M. Claus, 235/380, 379; **380/21, 24**; 902/1, 4 [IMAGE AVAILABLE]

51. 5,448,045, Sep. 5, 1995, System for protecting computers via intelligent tokens or **smart cards**; Paul C. Clark, 235/382; **380/4, 25** [IMAGE AVAILABLE]

52. 5,436,971, Jul. 25, 1995, Method of and circuit arrangement for checking a **smart card**; Dirk Armbrust, et al., **380/23**; 235/379, 380; **380/25** [IMAGE AVAILABLE]

53. 5,434,917, Jul. 18, 1995, Unforgeable identification device, identification device reader and method of identification; David Naccache, et al., **380/23**; 235/379, 380, 435, 436, 439, 449, 493; **380/24, 25, 30** [IMAGE AVAILABLE]

54. 5,426,701, Jun. 20, 1995, Cable television converter box with a **smart card** connector underneath; Charles Herrmann, et al., **380/52**; 348/10; **380/16**; 455/6.2 [IMAGE AVAILABLE]

55. 5,422,953, Jun. 6, 1995, Personal date/time notary device; Addison M. Fischer, **380/23, 30** [IMAGE AVAILABLE]

56. 5,379,344, Jan. 3, 1995, **Smart card** validation device and method; Stig B. Larsson, et al., **380/23**; 235/380, 382, 487, 492; **380/24** [IMAGE AVAILABLE]

57. 5,341,428, Aug. 23, 1994, Multiple cross-check document verification system; Vernon L. Schatz, **380/23**; 235/379, 380; 340/825.31, 825.34; **380/24, 29** [IMAGE AVAILABLE]

58. 5,310,999, May 10, 1994, Secure toll collection system for moving

Jeffrey R. Austin, **380/25**; 235/379, 380, 382; 340/825.34; **380/24, 30, 50** [IMAGE AVAILABLE]

74.   4,757,534, Jul. 12, 1988, Code protection using cryptography;
Stephen M. Matyas, et al., **380/25, 23** [IMAGE AVAILABLE]

75.   4,748,668, May 31, 1988, Method, apparatus and article for
identification and signature; Adi Shamir, et al., **380/30, 28**
[IMAGE AVAILABLE]
:end

=> d 113

1.   5,889,941, Mar. 30, 1999, System and apparatus for **smart card**
personalization; David R. Tushie, et al., 713/200; 235/380; 257/679